

10061961.020102

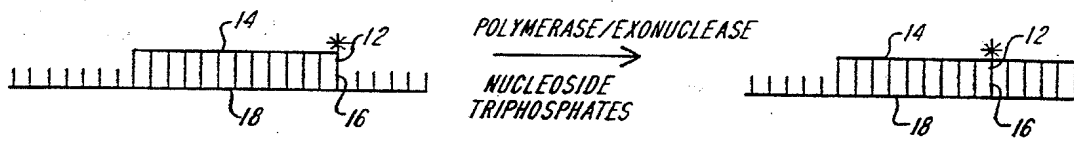


FIGURE 1

10061961.020102

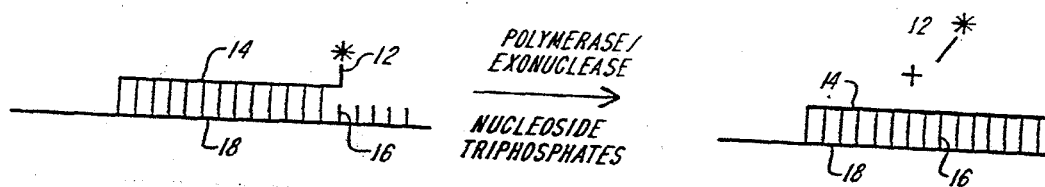


FIGURE 2

10061961.020102

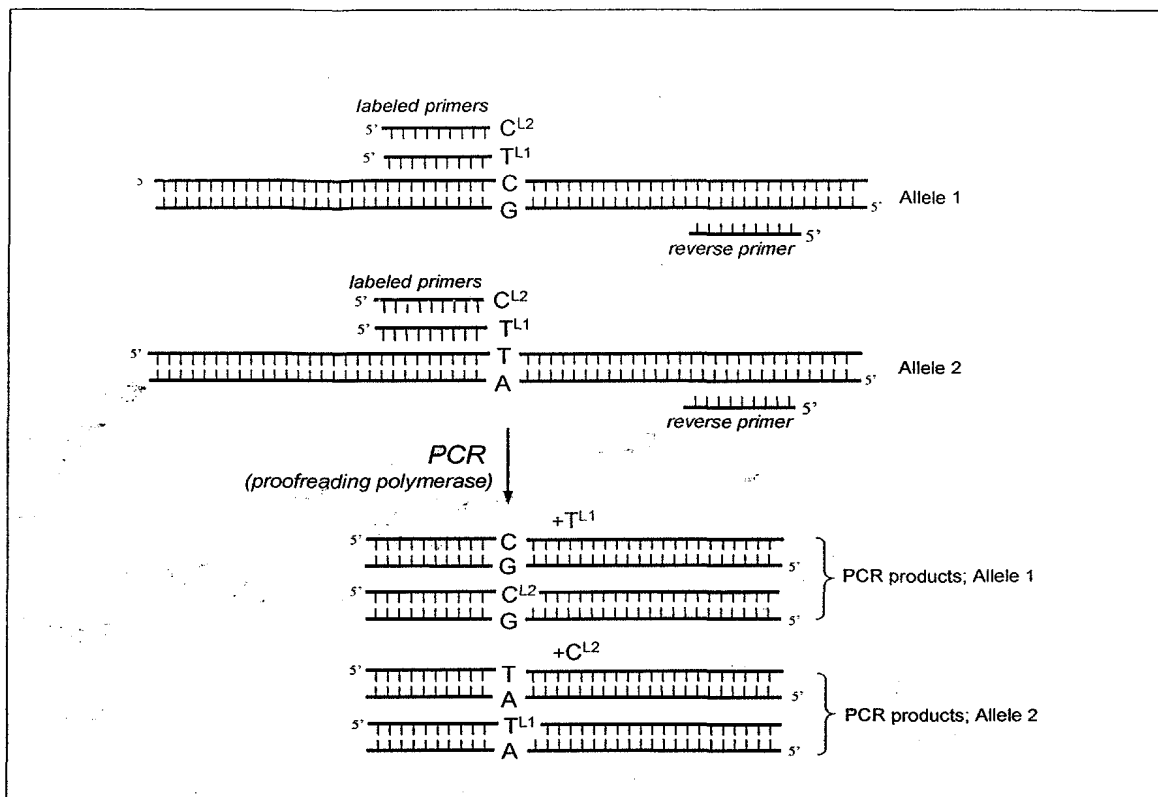


FIGURE 3

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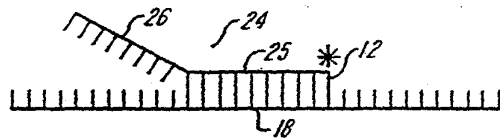


FIGURE 4

10061961.020102

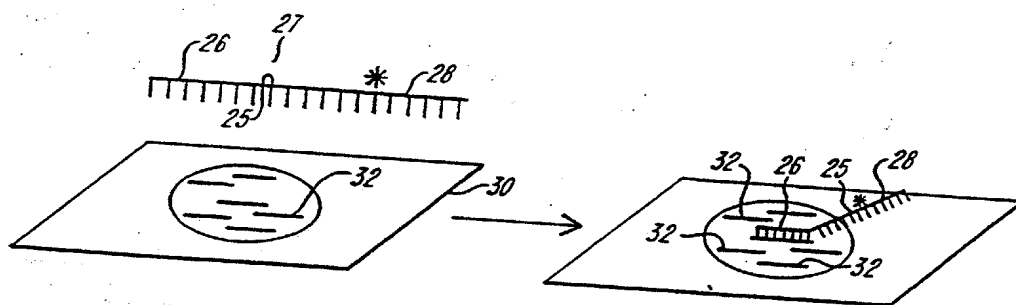


FIGURE 5

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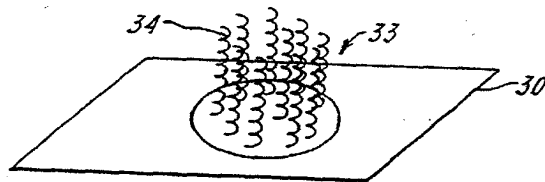


FIGURE 6

10061961.020102

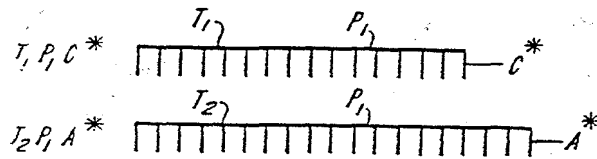


FIGURE 7

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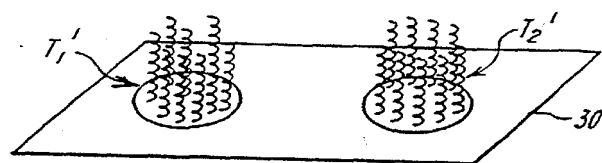


FIGURE 8

20102019619007

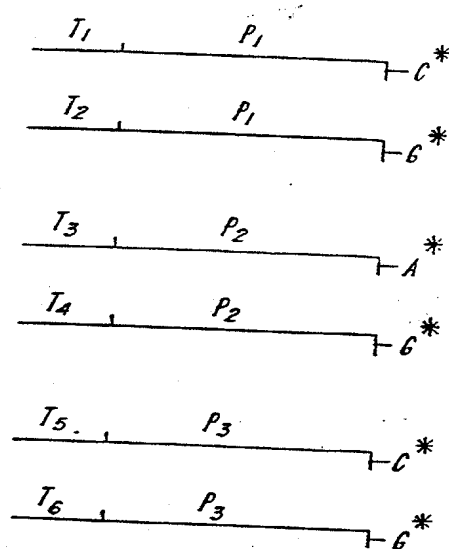


FIGURE 9

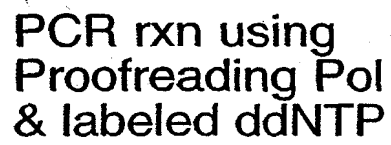
[illegible]

FIGURE 10

Embodiment 1

FET-quencher™ T96T9004

Fluorescent dye

tagged primer

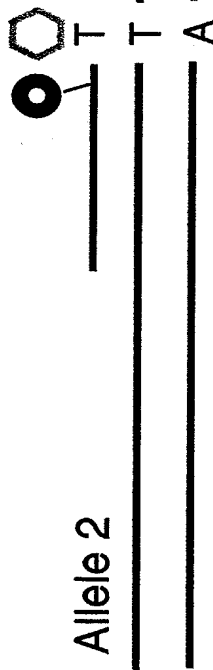
Allele 1



MUTANT

reverse primer

Allele 2



W.T.

PCR (Pfu, Pwo, or other proofreading polymerase)

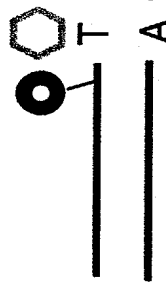
Fluorescent dye emission when dye-tagged nucleotide released

Product 1



MUTANT

Product 2



W.T.

FIGURE 11

Embodiment 2

20100201 13619003

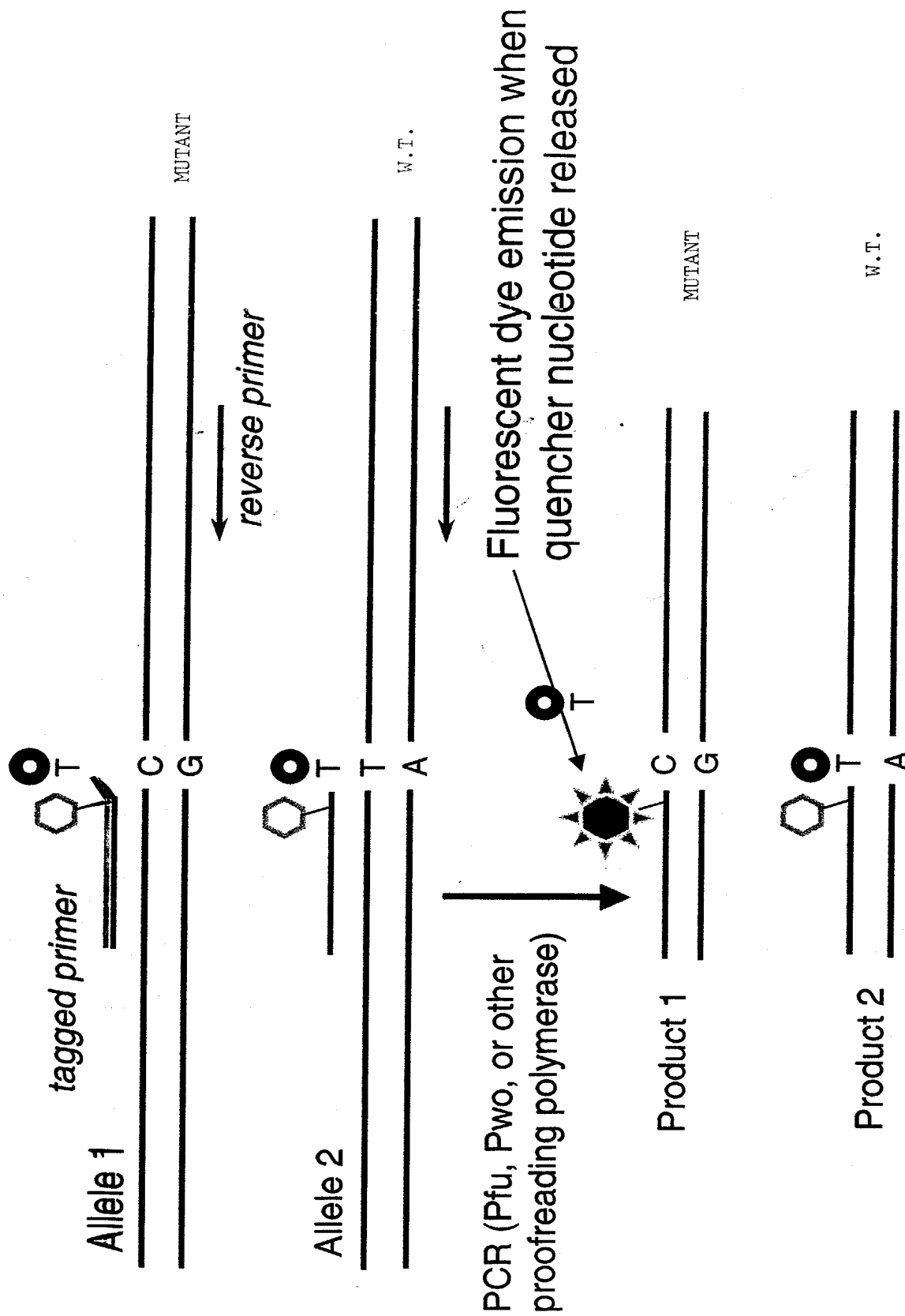


FIGURE 12

201020-1961901

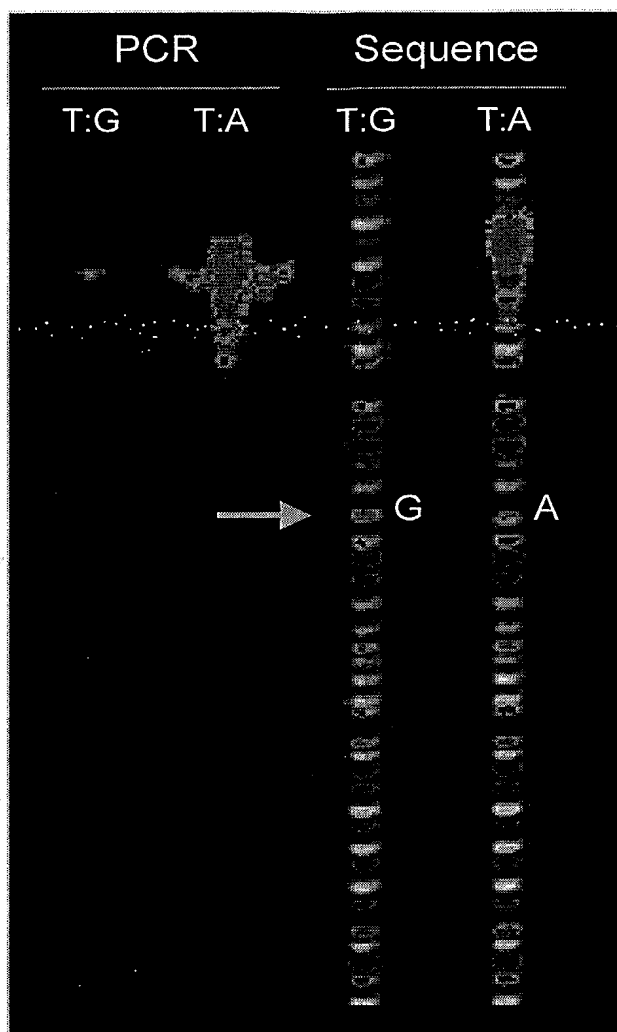


FIGURE 13

20102019619001

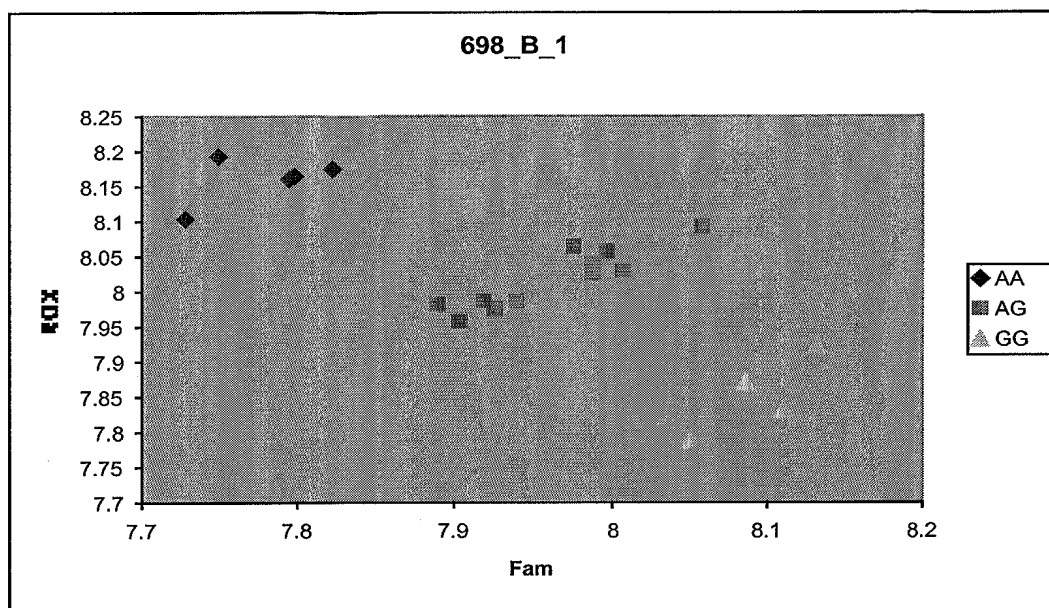


FIGURE 14

201020-19619001

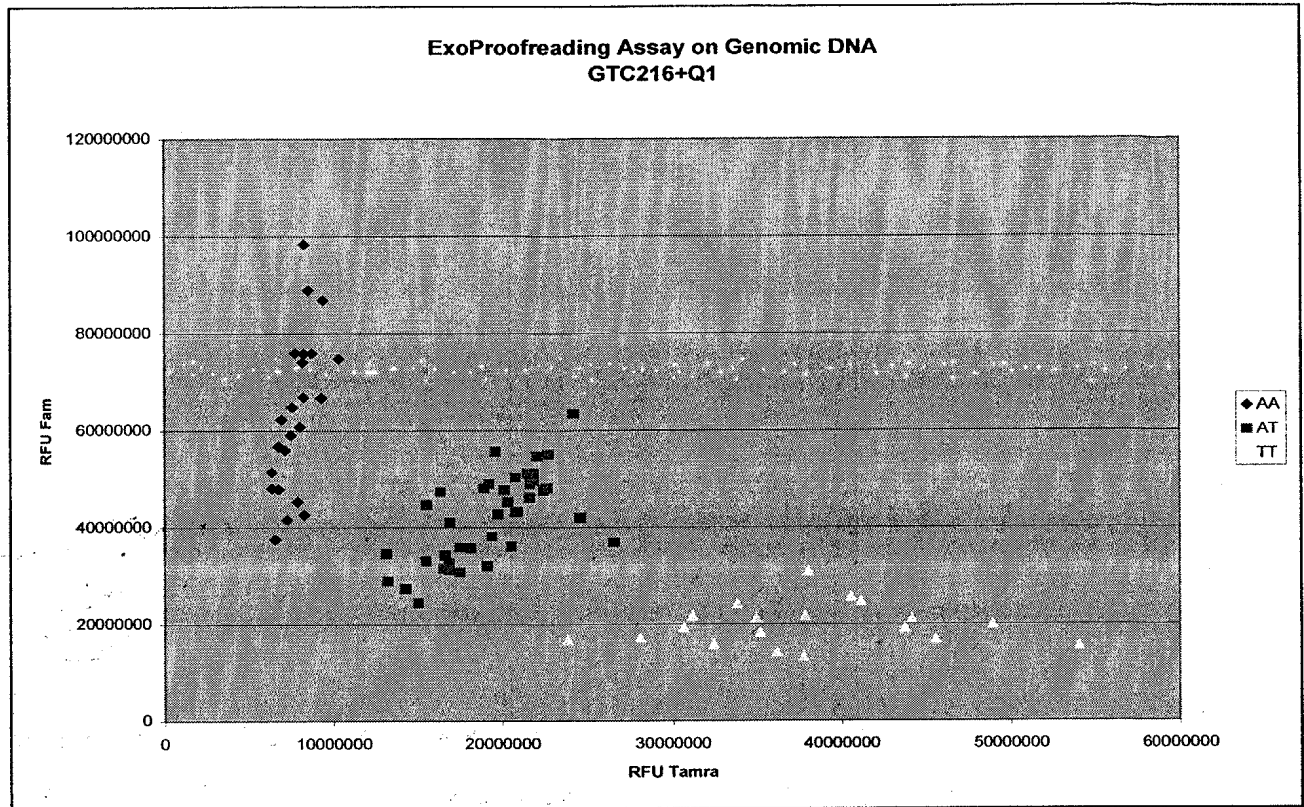


FIGURE 15

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Starting Sample	Dialysate 15 min	Dialysate 20 min	Sample 45 min	Sample 60 min	
					NAT2-T ³⁴¹ (labeled PCR product)
					NAT2-C ³⁴¹ (labeled excised nucleotide)

FIGURE 16

Exo-Proofreading Assay Using Fluorescence Polarization Detection Method
GTC216_Q_+1

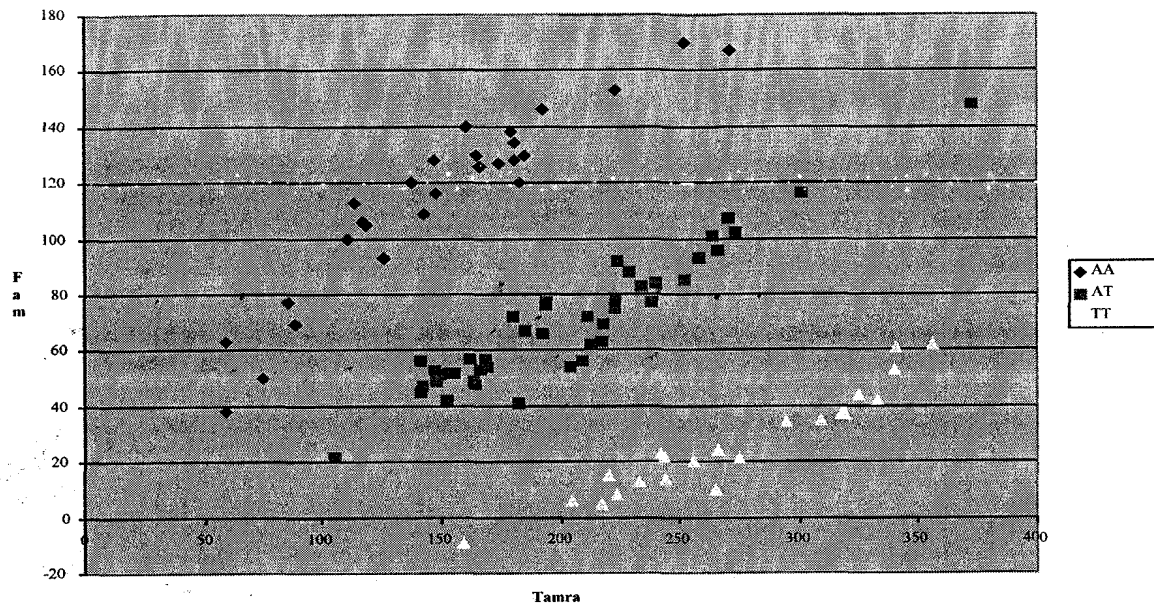


FIGURE 17

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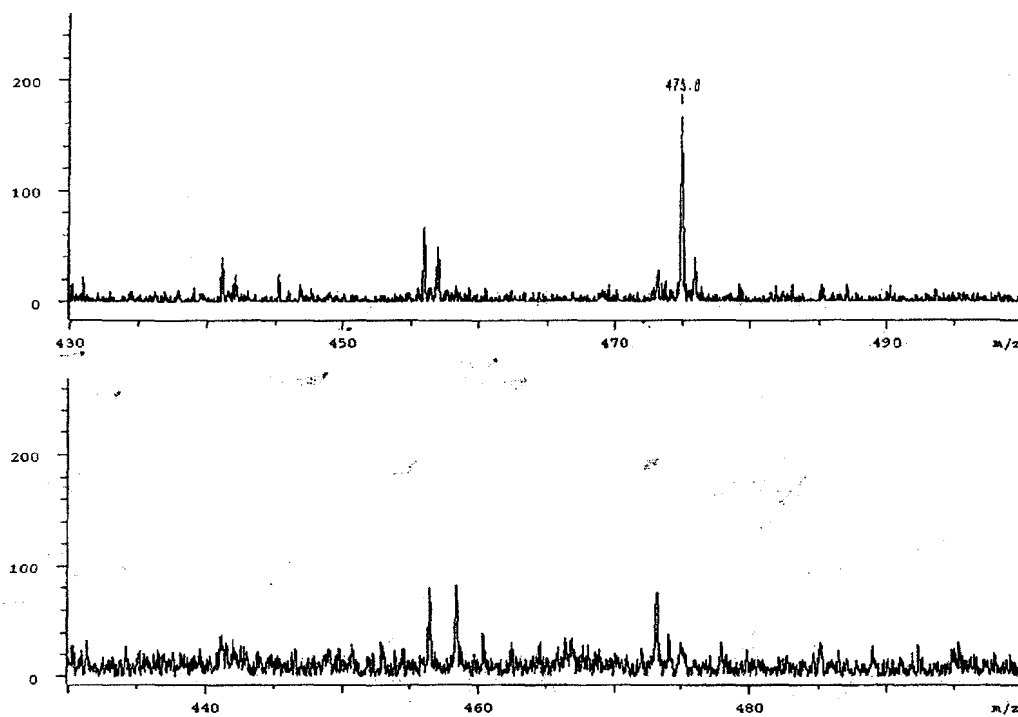


FIGURE 18

